

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A display device characterized by comprising:
a light emitting element;
an analog switch including a first transistor and a second transistor; and
a biasing transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the analog switch and a scan line.

2. (Currently Amended) A display device characterized by comprising:
a light emitting element;
a clocked inverter including a first transistor and a second transistor; and
a biasing transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first

power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the clocked inverter and a scan line.

3. (Currently Amended) A display device characterized by comprising:

a light emitting element;

a clocked inverter including a first transistor and a second transistor;

a biasing transistor; and

a level shifter,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected through the level shifter to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the clocked inverter and a scan line.

4. (Currently Amended) A display device characterized by comprising:

a light emitting element;

a clocked inverter including a first transistor and a second transistor;

a biasing transistor; and

a first level shifter and a second level shifter,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected through the first level shifter to the first power supply line, and a gate electrode of the second transistor is electrically connected through the second level shifter to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the clocked inverter and a scan line.

5. (Currently Amended) A display device characterized by comprising a light emitting element and an analog switch including a first transistor and a second transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein an output terminal of the analog switch is electrically connected to a signal line.

6. (Currently Amended) The display device according to ~~any one of claims 1-4~~ claim 1, characterized by further comprising a plurality of transistors disposed between the first power supply line and the signal line,

wherein a gate electrode of a transistor selected from the plurality of transistors is

electrically connected to the scan line.

7. (Currently Amended) A driving method of a display device comprising a light emitting element, an analog switch including a first transistor and a second transistor, and a biasing transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the analog switch and a scan line,

~~characterized by~~ the method comprising the steps of:

inverting a potential of the first power supply line and a potential of the second power supply line;

applying a reverse bias to the light emitting element;

turning off the analog switch and turning on the biasing transistor; and

making the potential of the first power supply line equal to a potential of the scan line.

8. (Currently Amended) A driving method of a display device comprising a light emitting element, a clocked inverter including a first transistor and a second transistor, and a biasing transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically

connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein a gate electrode of the biasing transistor is electrically connected to a third power supply line, one of a source electrode and a drain electrode of the biasing transistor is electrically connected to the first power supply line, and the other is electrically connected to an output terminal of the clocked inverter and a scan line,

characterized by the method comprising the steps of:

inverting a potential of the first power supply line and a potential of the second power supply line;

applying a reverse bias to the light emitting element;

making the clocked inverter enter a high impedance state and turning on the biasing transistor; and

making the potential of the first power supply line equal to a potential of the scan line.

9. (Currently Amended) A driving method of a display device comprising a light emitting element and an analog switch including a first transistor and a second transistor,

wherein one of a first electrode and a second electrode of the light emitting element is electrically connected to a first power supply line, and the other is electrically connected to a second power supply line;

wherein a gate electrode of the first transistor is electrically connected to the first power supply line, and a gate electrode of the second transistor is electrically connected to the second power supply line; and

wherein an output terminal of the analog switch is electrically connected to a signal line,

~~characterized by~~ the method comprising the steps of:
inverting a potential of the first power supply line and a potential of the second power supply line;
applying a reverse bias to the light emitting element; and
turning off the analog switch.

10. (Currently Amended) The driving method of a display device, according to ~~claim 7 or 8~~ claim 7, ~~characterized by~~ further comprising the steps of:

making a potential of the first power supply line equal to a potential of the scan line; and

turning off a transistor selected from a plurality of transistors disposed between the first power supply line and the signal line.

11. (New) The display device according to claim 2, further comprising a plurality of transistors disposed between the first power supply line and the signal line,

wherein a gate electrode of a transistor selected from the plurality of transistors is electrically connected to the scan line.

12. (New) The display device according to claim 3, further comprising a plurality of transistors disposed between the first power supply line and the signal line,

wherein a gate electrode of a transistor selected from the plurality of transistors is electrically connected to the scan line.

13. (New) The display device according to claim 4, further comprising a plurality of transistors disposed between the first power supply line and the signal line,

wherein a gate electrode of a transistor selected from the plurality of transistors is electrically connected to the scan line.

14. (New) The driving method of a display device, according to claim 8, further comprising the steps of:

making a potential of the first power supply line equal to a potential of the scan line; and

turning off a transistor selected from a plurality of transistors disposed between the first power supply line and the signal line.

15. (New) A display device according to claim 1, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

16. (New) A display device according to claim 2, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

17. (New) A display device according to claim 3, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

18. (New) A display device according to claim 4, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

19. (New) A display device according to claim 5, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

20. (New) A display device according to claim 7, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

21. (New) A display device according to claim 8, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.

22. (New) A display device according to claim 9, wherein the display device is incorporated into at least one selected from the group consisting of digital camera, an audio reproducing device such as a car audio system, a notebook personal computer, a game machine, a portable information terminal such as portable phone, portable game machine, and an image reproducing device provided with a recording medium, such as a home game machine.